

Received

FEB 10 2020

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3

HNTB Corporation

Round Rock

1. CONTRACTOR: A Greater Austin Development
2. Change Order Work Limits: Sta. 1+82 to Sta. 5+91
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 2E & 3G (3 Max. - In order of importance - Primary first)

Project:	<u>1807-252</u>
Roadway:	<u>San Gabriel Ranch Road</u>
CSJ Number:	

5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable) (item 9). Two water services were discovered on the existing water line during construction that the not called out in the plans. This change order adds a double service to the new water line. **3G: County Convenience. Compliance requirements of new laws and/or policies.** This change order upgrades the guard rail end treatments to the most current TxDOT standard.

6. Work to be performed in accordance with Items: See attached list of items
7. New or revised plan sheet(s) are attached and numbered: N/A
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No
9. New Special Provisions to Item N/A, No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit, or loss of compensation as a result of this change.

The following information must be provided

Time Ext. #: N/A Days added on this CO: 0Amount added by this change order: \$2,803.82

THE CONTRACTOR

Date 2/7/2020

By

Typed/Printed Name

Lana Shockley

Typed/Printed Title

Controller

RECOMMENDED FOR EXECUTION:

James D. P.E. 2/11/20
Project Manager Date

N/A
Design Engineer Date

4/6/20
Program Manager Date

Design Engineer's Seal:

N/A

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3

Project # 1807-252

TABLE A: Force Account Work and Materials Placed into Stock[illegible]**TABLE B: Contract Items:**

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
999-WC05	UPGRADE SGT TO TxDOT 2018 STANDARD FOR CRASH WORTHINESS - MATERIAL COST DIFFERENCE	EA	\$213.15	0	\$0.00	2.00	2.00	\$426.30	\$426.30
RB011	DOUBLE SERVICE FOR NEW WATERLINE	LS	\$2,377.52	0	\$0.00	1.00	1.00	\$2,377.52	\$2,377.52
TOTALS					\$0.00			\$2,803.82	\$2,803.82

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

**San Gabriel Ranch Road Bridge
Williamson County Project No. 1807-252**

Change Order No. 3

Reason for Change

This Change Order adds a double service to the new water line and upgrades the guardrail end treatment to the most current TxDOT standard. Two water services were discovered on the existing water line during water line construction that were not called out in the plan. In field discussion, Aqua inspector requested adding a double service to the new water line to replace the two existing services.

This Change Order also compensates the Contractor for the additional material cost to upgrade guardrail end treatment to TxDOT 2018 standard for crash worthiness per the attached TxDOT memo.

Following is a summary of the new item required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
999-WC05	UPGRADE SGT TO TxDOT 2018 STANDARD FOR CRASH WORTHINESS – MATERIAL COST DIFFERENCE	2	EA
RB011	DOUBLE SERVICE FOR NEW WATERLINE	1	LS

This Change Order results in an increase of \$2,803.82 to the Contract amount, for an adjusted Contract total of \$1,450,082.81. The original Contract amount was \$1,425,301.90. Because of this Change Order, \$24,780.91 has been added to the Contract, resulting in a 1.74% net increase in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

HNTB Corporation
James Klotz, P.E.

ROADWAY SPECIALTIES, INC.

P.O. BOX 90309, AUSTIN, TEXAS 78709
512-280-6666 PHONE 512-280-6066 FAX
CERTIFIED DBE/HUB

CHANGE ORDER PROPOSAL

Project: SAN GABRIEL RIVER RANCH BRIDGE

Date: December 11, 2019
RSI Job #: 5678

For: A GREATER AUSTIN DEVELOPMENT
DERRICK WARD

Proposal No.: 121909P

We propose to furnish all labor, materials, equipment and supervision to perform the following scope of work that we have been requested to perform at the above referenced project.

Item	Change Order Item Description	Unit	C. O. Quantity	Unit Price	Amount
5446001	GUARDRAIL END TREATMENT (TY I) (INSTALL)	EA	2.00	-2,527.00	-5,054.00
5446001	GUARDRAIL END TREATMENT (MSKT) (INSTALL)	EA	2.00	2,730.00	5,460.00
Total Amount of Change Order:					\$406.00

If any additional information is required, please feel free to contact us at (512) 280-6666.

Sincerely,

Lenny Bobrowski

PLEASE NOTE: ALL NOTES AND EXCLUSIONS OF SUBCONTRACT APPLY.

Respectfully submitted by: Danette Shelton, President

Accepted by: _____

Date: _____

Feng Chen

From: James Klotz
Sent: Wednesday, December 18, 2019 9:10 AM
To: Derrick Ward; Eddie R. Church; Clayton Weber; Feng Chen; Kyle LeBlanc
Cc: 62811_1807-252_SanGabrielRiverRanch
Subject: RE: Change Order - 1807-252 San Gabriel River Ranch Bridge - Guardrail End Treatment + Waterline Tie-Ins - 99-541

This CO is being processed, but you have been approved to continue with this work.

James Klotz, P.E.
Sr. Project Manager
Tel (512)527-6721 Cell (512)745-3670 E-mail jklotz@hntb.com

HNTB CORPORATION
101 E. Old Settlers Blvd.; Round Rock, Texas 78664

 **100+ YEARS OF INFRASTRUCTURE SOLUTIONS**



From: Derrick Ward <dward@gad.co>
Sent: Wednesday, December 18, 2019 7:17 AM
To: Eddie R. Church <erchurch@HNTB.com>; Clayton Weber <cweber@HNTB.com>; Feng Chen <fechen@HNTB.com>; Kyle LeBlanc <KLeBlanc@HNTB.com>
Cc: 62811_1807-252_SanGabrielRiverRanch <SanGabrielBridge@hntb.com>; James Klotz <jklotz@HNTB.com>
Subject: RE: Change Order - 1807-252 San Gabriel River Ranch Bridge - Guardrail End Treatment + Waterline Tie-Ins - 99-541

Has this C.O. been approved? Subcontractor is needing to know ASAP.

Thanks,

-Derrick

From: Derrick Ward <dward@gad.co>
Sent: Thursday, December 12, 2019 8:37 AM
To: 'Eddie R. Church' <erchurch@HNTB.com>; 'Clayton Weber' <cweber@HNTB.com>; 'Feng Chen' <fechen@HNTB.com>; 'Kyle LeBlanc' <KLeBlanc@HNTB.com>
Cc: '62811_1807-252_SanGabrielRiverRanch' <SanGabrielBridge@hntb.com>; Mark Braun <mbraun@gad.co>; David Contreras <dcontreras@gad.co>
Subject: Change Order - 1807-252 San Gabriel River Ranch Bridge - Guardrail End Treatment + Waterline Tie-Ins - 99-541

Eddie,

Please see the attached change order for the items listed below. I will need approval on the waterline tie-in by early on Monday to keep that crew moving. Let me know if you have any questions.

1. Changing the guardrail end treatments from SGT to the MSKT per the 4/28/18 TxDOT memo
2. Adding double service waterline tie-in near station 5+00

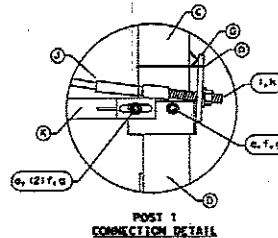
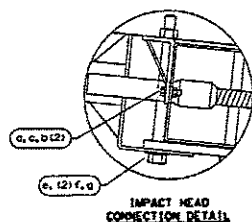
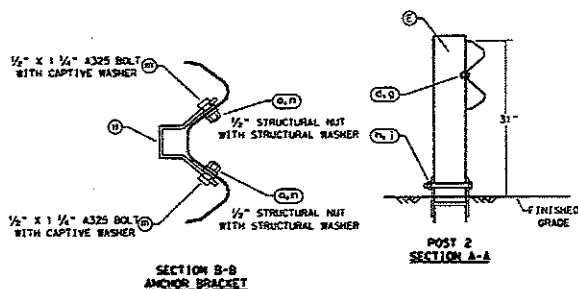
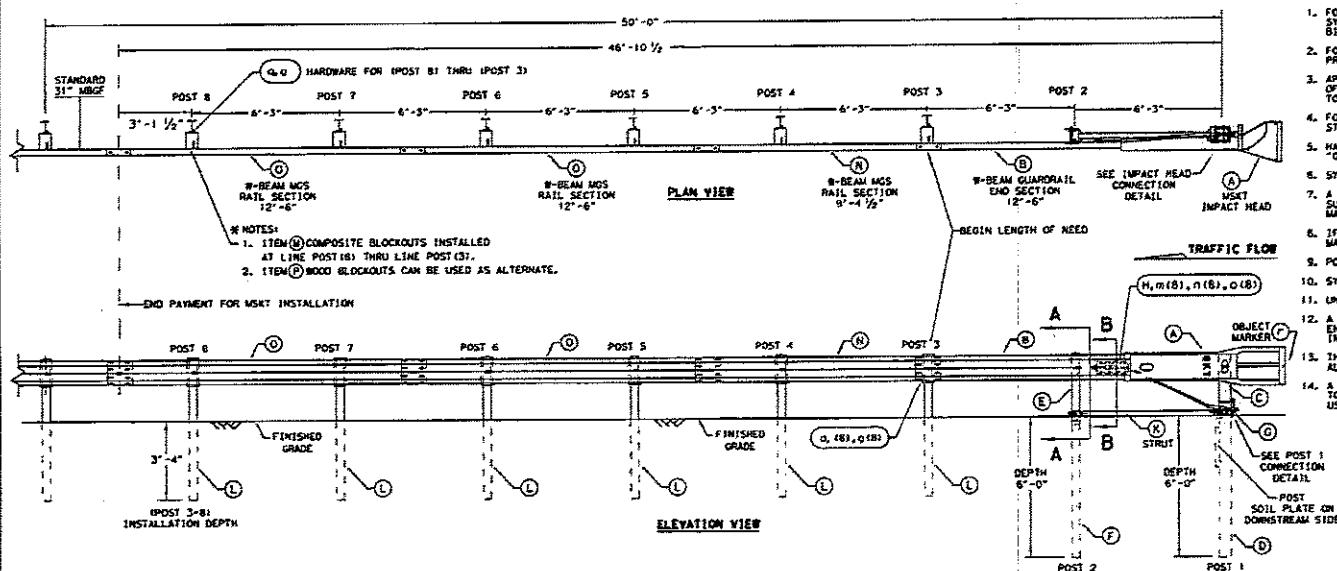
Thanks,



*Derrick Ward / Sr Project Manager
6500 River Place Blvd.
Building 1, Suite 201
Austin, TX 78730
-(512) 310-9300 (o)
-(512) 483-4867 (c)
-(512) 310-9333 (f)*

DISCLAIMER: THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY TxDOT FOR ANY PURPOSE WHATSOEVER. THE USE OF THIS STANDARD IS SOLELY FOR THE CONVENIENCE OF THE USER AND DOES NOT CONSTITUTE AN ENDORSEMENT OR A GUARANTEE OF THE QUALITY OF THE DESIGN OR THE RESULTS OF THE CONSTRUCTION OF THE PROJECT. THE USER ASSUMES ALL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

DATE: FILE:

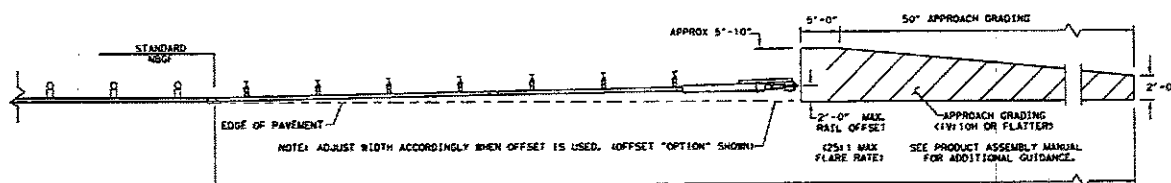


ALTERNATIVE ITEMS NOT SHOWN: * * * ITEM (P) 8" WOOD-BLOCKOUT * * * ITEM (Q) 25" GUARD FENCE PANEL

GENERAL NOTES

- FOR SPECIFIC INFORMATION REGARDING INSTALLATION AND TECHNICAL GUIDANCE OF THE SYSTEM, CONTACT: ROAD SYSTEMS, INC. 14321263-5435, 3816 OLD HOWARD COUNTY AIRPORT, BIG SPRING, TX 79720
- FOR INSTALLATION, REPAIR AND MAINTENANCE REFER TO THE MSKT END TERMINAL, PRODUCT DESCRIPTION ASSEMBLY MANUAL (PUBLICATION 0627177).
- APPLY HIGH INTENSITY REFLECTIVE SHEETING, "OBJECT MARKER" ON THE FRONT FACE OF THE DEVICE PER MANUFACTURER'S RECOMMENDATIONS. OBJECT MARKER SHALL CONFORM TO THE STANDARDS REQUIRED IN TEXAS MUTCD.
- FOR POST (LEAVE-OUT) INSTALLATION AND GUIDANCE SEE TxDOT'S LATEST ROADWAY NOW STRIP STANDARD.
- HARDWARE (BOLTS, NUTS, & WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING". FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
- SYSTEM SHOWN USING STEEL WIDE FLANGE POSTS WITH COMPOSITE BLOCKOUTS.
- A COMPOSITE MATERIAL BLOCKOUTS THAT MEETS THE REQUIREMENTS OF DMS-7210, MAY BE SUBSTITUTED FOR BLOCKOUTS OF SIMILAR DIMENSIONS, SEE CONSTRUCTION DIVISION MATERIAL PRODUCER LIST (MPL) FOR CERTIFIED PRODUCERS.
- IF SOLID ROCK IS ENCOUNTERED IN THE AREA OF (POST 1) AND / OR (POST 2) CONTACT THE MANUFACTURER, & REFER TO THE LATEST ROADWAY MASH STANDARD FOR INSTALLATION GUIDANCE.
- POSTS SHALL NOT BE SET IN CONCRETE.
- SYSTEM MUST BE ATTACHED TO STANDARD 31" MBSF.
- UNDER NO CIRCUMSTANCES SHALL THE GUARDRAIL WITHIN THE MSKT SYSTEM BE CURVED.
- A FLARE RATE OF UP TO 25:1 MAY BE USED TO PREVENT THE TERMINAL HEAD FROM ENCRUSCHING ON THE SHOULDER. THE FLARE MAY BE DECREASED OR ELIMINATED FOR SPECIFIC INSTALLATIONS, IF DIRECTED BY THE ENGINEER.
- THE SYSTEM IS SHOWN WITH TWO 12'-6" MBSF PANELS, ONE 25'-0" MBSF PANEL IS ALSO ALLOWED IN THEIR PLACE.
- A DRIVING CAP WITH A TIMBER OR PLASTIC INSERT SHALL BE USED WHEN DRIVING POSTS 3-8 TO PREVENT DAMAGE TO THE GALVANIZING ON TOP OF THE POST. SPECIAL DRIVING CAP TO BE USED ON LOWER POSTS 1 & 2 TO PREVENT DAMAGE TO THE WELDED PLATES.

ITEM	QTY	MAIN SYSTEM COMPONENTS	ITEM NUMBERS
A	1	MSKT IMPACT HEAD	MS3000
B	1	W-BEAM GUARDRAIL END SECTION, 12' 6"	SF1303
C	1	POST 1 - TOP 16" X 6" X 1/4" TUBE	MTPHP1A
D	1	POST 1 - BOTTOM 16" X 6" X 1/4" TUBE	MTPHP1B
E	1	POST 2 - ASSEMBLY TOP	URP2A
F	1	POST 2 - ASSEMBLY BOTTOM (6" Wx9")	MP2B
G	1	BEARING PLATE	ET50
H	1	CABLE ANCHOR BOX	S260
I	1	POST CABLE ANCHOR ASSEMBLY	E270
J	1	GROUND STRUT	MS285
K	1	WELD OR BEAMS, 5" STEEL POST	PE21
L	6	COMPOSITE BLOCKOUTS	CRSP-14
M	1	W-BEAM MGS RAIL SECTION (9'-4 1/2")	GI2025
N	1	W-BEAM MGS RAIL SECTION (12'-6")	GI203A
O	2	WOOD BLOCKOUT 6" X 8" X 14"	PE75
P	1	W-BEAM MGS RAIL SECTION (25'-0")	GI209
SMALL HARDWARE			
Q	2	3/4" x 1" HEX BOLT (ORD 51)	BS160104A
R	4	3/4" WASHER	W0516
S	2	3/4" HEX NUT	N0516
T	25	3/4" DIA. x 1 1/2" SPLICE BOLT (POST 2)	S380122
U	2	3/4" DIA. x 8" HEX BOLT (ORD 3449)	B580904A
V	3	3/4" WASHER	W050
W	33	3/4" DIA. H.C.R. NUT	N050
X	1	3/4" DIA. x 8 1/2" HEX BOLT (ORD 3448)	B340854A
Y	1	3/4" DIA. HEX NUT	N030
Z	2	ANCHOR CABLE HEX NUT	N100
AA	1	ANCHOR CABLE WASHER	N100
AB	8	1/2" x 1 1/2" A325 BOLT WITH CAPTIVE WASHER	S812A
AC	8	1/2" STRUCTURAL NUTS	N012A
AD	8	1 1/2" O.D. x 3/4" I.D. STRUCTURAL WASHERS	W012A
AE	1	BEARING PLATE RETAINER TIE	CT-1005T
AF	8	3/4" x 10" H.C.R. BOLT	B581002
AG	1	OBJECT MARKER 18" x 18"	E3151



APPROACH GRADING AT GUARDRAIL END TREATMENTS

NOTE: TxDOT GENERIC APPROACH GRADING LAYOUT USED FOR ALL TANGENT TYPE END TREATMENTS.

NOTE: THIS STANDARD IS A BASIC REPRESENTATION OF THE MSKT END TERMINAL. IT IS NOT INTENDED TO REPLACE THE PRODUCT DESCRIPTION ASSEMBLY MANUAL.

Texas Department of Transportation		Design Division Standard	
SINGLE GUARDRAIL TERMINAL			
MSKT-MASH-TL-3			
SGT (12S) 31-18			
FILE: 621263118.dgn	DWG: 12007	CAL: 11	DWG: 11
DATE: 001 APRIL 2018	CONT: 1007	JOB	RIGHTWAY
REVISIONS			
0157	COUNTY	SHEET NO.	

TEXAS CORRUGATORS Quotation

P.O. Box 938
Round Rock, TX 78680
(512)388-0588
(512)388-0417 Fax
www.txcorr.com

Grates
Sign Posts
Geotextiles
Bridge Railing
Metal Fabrication
Safety Pipe Runners
Corrugated Steel Pipe
Cast Iron Rings & Covers
Metal Beam Guard Fence

ROADWAY SPECIALTIES

ATTN: LENNY

PROJECT

SAN GABRIEL RANCH ROAD BRIDGE
WILLIAMSON COUNTY – CHANGE ORDER

QUANTITY	DESCRIPTION	UNIT PRICE
2 EA	GUARDRAIL END TREATMENT (MSKT)	1,730.00 EA

TERMS OF PAYMENT: NET 30 DAYS
PRICES VALID FOR 30 DAYS
SALES TAX NOT INCLUDED

Subject to being awarded the contract, we accept your proposal
to furnish the job requirements at the unit prices quoted above

Company Name _____

Print Name _____

Signature _____ Date _____

DELIVERY: 1-2 WEEKS
F.O.B. POINT: TRUCKS-JOBSITE
W/COMPLETE ORDER

**PRICES INCLUDE FREIGHT FOR 0 LOAD
DELIVERED TO JOBSITE. ADDITIONAL
LOADS DUE TO CUSTOMER REQUESTING
LESS THAN TRUCKLOAD QUANTITIES WILL
BE CHARGED AT \$.00 PER LOAD.**

Respectfully submitted,
TEXAS CORRUGATORS-AUSTIN DIVISION, INC

BY RYAN COLE

Date: 12/11/19



P.O. Box 938
Round Rock, TX 78680
(512)388-0588
(512)388-0417 Fax
www.txcorr.com

Quotation

Grates
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Geotextiles
Bridge Railing
Metal Fabrication
Safety Pipe Runners
Corrugated Steel Pipe
Cast Iron Rings & Covers
Metal Beam Guard Fence

ROADWAY SPECIALTIES, INC.

ATTN: TERESA

PROJECT

SAN GABRIEL RANCH ROAD BRIDGE
WILLIAMSON COUNTY

QUANTITY	DESCRIPTION	UNIT PRICE
HANDRAIL ONLY		
162 LF	RAIL (TY C221)	14.69 LF ✓
95 LF	METAL BEAM GUARD FENCE (12 GA)(TIMBER POST)(BLOCK OUT)	12.22 LF ✓
4 EA	MTL BEAM GD FEN TRANS (TL2)	505.00 EA ✓
2 EA	DOWNSTREAM ANCHOR TERMINAL	575.00 EA ✓
2 EA	GUARDRAIL END TREATMENT (TY I)	1,527.00 EA ✓
31 LF	SHORT RADIUS	28.35 LF ✓
4 EA	TERMINAL ANCHOR SECTION	378.00 EA ✓
1 EA	10BWG(1)SA(P)	138.00 EA ✓

NOTE: PRICES ARE FOR SIGN POSTS WHICH INCLUDE: POSTS, T & U BRACKETS, WINGED CHANNEL POSTS, S3 STIFFENERS FOR (EXAL), CASTINGS W/3 SET SCREWS, STUBS, KEEPER PLATES, FRICTION CAPS, BOLTS, NUTS, & WASHERS. **SIGN CLAMPS & EXTRUDED ALUMINUM ARE NOT INCLUDED.** POSTS, WINGED CHANNEL POSTS AND T & U BRACKETS WILL BE SHIPPED IN STOCK LENGTHS TO BE FIELD CUT & ASSEMBLED BY INSTALLER. REFLECTIVE SHEETING NOT INCLUDED.

AS REQ'D	2 3/8" U-BOLT ASSEM	1.88 EA
AS REQ'D	2 7/8" U-BOLT ASSEM	1.93 EA

TERMS OF PAYMENT: NET 30 DAYS
PRICES VALID FOR 30 DAYS
SALES TAX NOT INCLUDED

Subject to being awarded the contract, we accept your proposal
to furnish the job requirements at the unit prices quoted above

Company Name

Print Name

Signature

Date

10-8-18

DELIVERY: 4-5 WEEKS
F.O.B. POINT: JOBSITE - OUR TRUCKS

**PRICES INCLUDE FREIGHT FOR 2 LOADS
DELIVERED TO JOBSITE. ADDITIONAL
LOADS DUE TO CUSTOMER REQUESTING
LESS THAN TRUCKLOAD QUANTITIES WILL
BE CHARGED AT \$75.00 PER LOAD.**

Respectfully submitted,
TEXAS CORRUGATORS-AUSTIN DIVISION, INC

BY COURTNEY YOUNG

Date: 08/24/18



EXCAVATING * PAVING * CONCRETE * UTILITIES

Smith Contracting Co., Inc.
CHANGE ORDER PROPOSAL #2
San Gabriel Ranch Road Bridge
12/12/2019

DESCRIPTION:

Add double service to serve customers that were not known to be on the existing line.

LABOR:

	Quantity	Hours	Rate	Total
Superintendent	1	1	\$50.00	\$50.00
Foreman/Layout/Coordinator	1	1	\$35.00	\$35.00
Pipe layer	2	5	\$20.00	\$200.00
Operator	1	5	\$22.00	\$110.00
				\$0.00
				\$0.00
TOTAL				\$395.00

Materials:

	Quantity	Unit	Price	
Pipe, fittings, etc	1	LS	\$970.54	\$970.54
Bedding	1	LS	\$75.00	\$75.00
Delivery	1	LS	\$125.00	\$125.00
TOTAL				\$1,170.54

Subcontractors:

	Quantity	Unit	Price	
				\$0.00
TOTAL				\$0.00

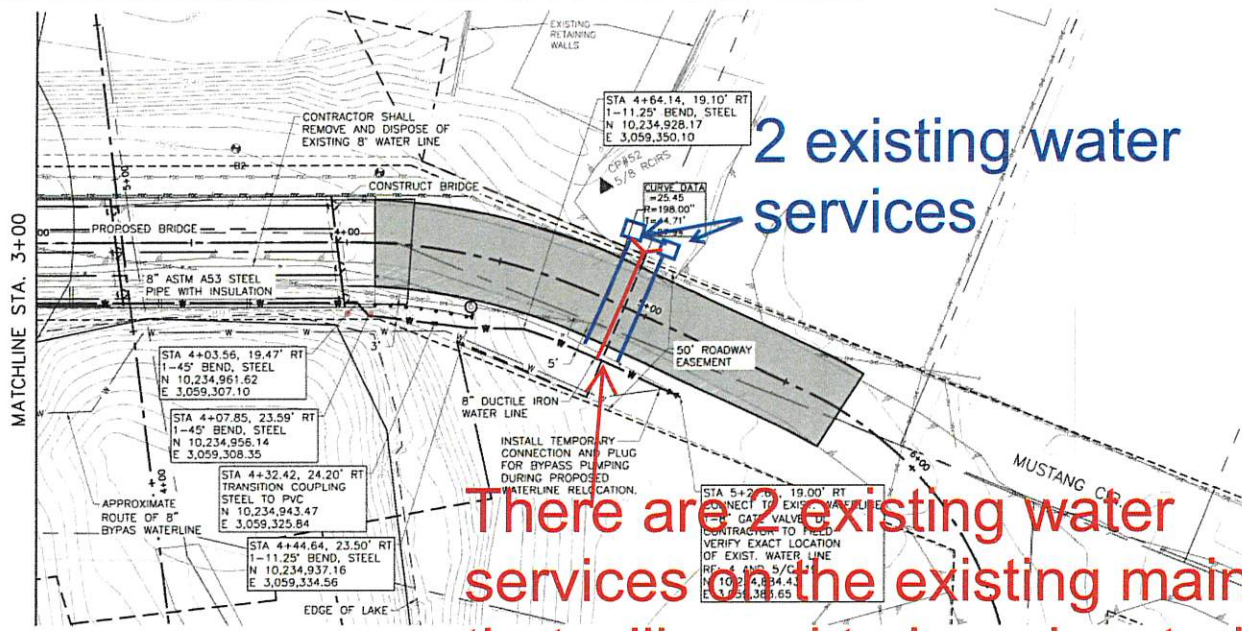
Unit Pricing:

	Quantity	Unit	Price	
				\$0.00
				\$0.00
TOTAL				\$0.00

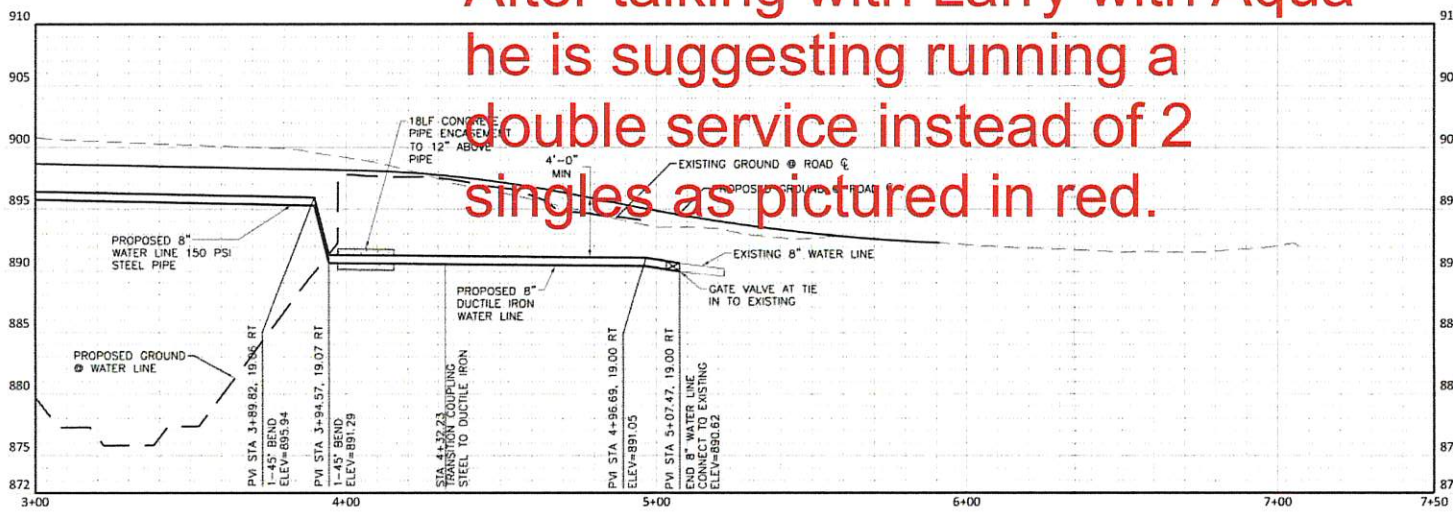
Equipment:

	Quantity	Unit	Price	
Backhoe	5	Hrs	\$42.90	\$214.50
				\$0.00
				\$0.00
TOTAL				\$214.50

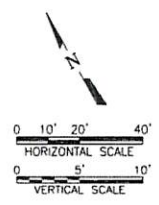
Labor		\$395.00
Labor Burden	55%	\$217.25
Labor P & O	15%	\$59.25
Material		\$1,170.54
Material P & O	15%	\$175.58
Subcontractor		\$0.00
Subcontractor P & O	15%	\$0.00
Bid Item		\$0.00
Equipment		\$214.50
Equipment OH & P	15%	\$32.18
SUBTOTAL		\$2,264.30
TOTAL		\$2,264.30



There are 2 existing water services on the existing main that will need to be relocated. After talking with Larry with Aqua he is suggesting running a double service instead of 2 singles as pictured in red.



- LEGEND**
- EXISTING GROUND
 - PROPOSED GRADE
 - PROPOSED GRADE AT WATER LINE
 - PROPOSED WATER LINE
 - EXISTING WATER LINE



- NOTES:**
1. DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
 2. VERIFY DEPTH AND LOCATION OF TIE-IN TO EXISTING 8" WATER LINE PRIOR TO ORDERING MATERIAL.
 3. PROVIDE REQUIRE TEMPORARY CONNECTION AND BYPASS PIPING TO PROVIDE UNINTERRUPTED SERVICE TO AQUA CUSTOMERS DURING CONSTRUCTION. ALIGNMENT OF BYPASS PIPING AND LOCATION OF TEMPORARY CONNECTIONS MAY BE MODIFIED WITH ENGINEER APPROVAL.
 4. STEEL PIPE SHALL BE ASTM A53 GRADE B 1/2" WALL THICKNESS, EXTRA HEAVY STEEL PIPE, MANUFACTURED IN ACCORDANCE WITH AWWA C200.
 5. ALL STEEL PIPE SHALL BE COATED INTERNALLY IN ACCORDANCE WITH AWWA C210 OR APPROVED EQUAL.
 6. ALL EXPOSED STEEL PIPE SHALL BE SHOP BLASTED AND COATED EXTERNALLY. ACCEPTABLE COATINGS INCLUDE THEMEC SERIES N140 POTA-POX PLUS, SHERWIN WILLIAMS TANK CLAD EPOXY, INTERNATIONAL PAINT, LLC INTERLINE 850 OR INTERSEAL 670HS (NSF COLORS) AND CARBOLINE 891. COATING THICKNESS AND APPLICATION SHALL BE PER MANUFACTURER'S REQUIREMENTS.
 7. ALL EXPOSED STEEL PIPE SHALL BE INSULATED. PIPE INSULATION FOR CARRIER PIPE SHALL BE 1/2" THICK COMPOSED OF ONE OF THE FOLLOWING:
 - a. HEAVY DUTY PREFORMED FIBERGLASS (ASTM C547, TYPE 1, 2 OR 3). ACCEPTABLE MANUFACTURERS: SCHULLER, KNAUF OR CERTAINTED.
 - b. PREFORMED FLEXIBLE ELASTOMERIC INSULATION (ASTM C534). ACCEPTABLE MANUFACTURERS: ARMSTRONG 'ARMAPLEX', OR SCHULLER 'RUBATEX'.
 - c. PREFORMED UNICELLULAR POLYOLEFIN FOAM (ASTM C534) TUBULAR PRE-SLIT WITH ADHESIVE. ACCEPTABLE MANUFACTURERS: IMCOA.
 8. ALL INSULATION AND COATINGS SHALL BE NSF CERTIFIED.
 9. ALL STEEL PIPE JOINTS SHALL BE RESTRAINED.
 10. THRUST RESTRAINT SHALL BE ACCOMPLISHED WITH RESTRAINED JOINTS AS INDICATED ON C-19.
 11. DISINFECTION OF NEW WATER PIPELINE SHALL COMPLY WITH SPECIFICATION 33 TO 13 DISINFECTING OF WATER UTILITY DISTRIBUTION.

31418

Freese & Nichols, Inc.
Texas Registered Engineering Firm F-2144

FREESE & NICHOLS

1401 West 17th Street, Suite 300
Midland, Texas 79701
Phone: (432) 617-3100
Fax: (432) 617-0001

WILLIAMSON COUNTY, TEXAS

SAN GABRIEL RANCH ROAD BRIDGE

AT LACKEY CREEK

WATER LINE RELOCATION PLAN 2

STA. 3+00 TO END

DATE: 03/14/18
DRAWN BY: JAC
CHECKED BY: JAC
FILE NAME: WTU-WTR-PL.dwg
SHEET: C-17
REV: 0



FERGUSON ENTERPRISES, LLC
FERGUSON WATERWORKS #1254
200 PARK CENTRAL BLVD
GEORGETOWN, TX 78626
Phone: 512-930-2262
Fax: 512-930-2388

Deliver To:
From: Brad Ellis
Comments:

08:36:44 DEC 12 2019

Page 1 of 1

FERGUSON WATERWORKS #1106

Price Quotation

Phone: 512-930-2262

Fax: 512-930-2388

Bid No: B438044
Bid Date: 12/12/19
Quoted By: BDE

Cust Phone: 512-990-7640
Terms: NET 10TH PROX

Customer: SMITH CONTRACTING COMPANY
1817 SAN GABRIEL RANCH RD
15309 MARSHA STREET
AUSTIN, TX 78728

Ship To: SMITH CONTRACTING COMPANY
1817 SAN GABRIEL RANCH RD
15309 MARSHA STREET
AUSTIN, TX 78728

Cust PO#:

Job Name: 1817 SAN GABRIEL RANCH RD

Item	Description	Quantity	Net Price	UM	Total
S31700101014000	8X2 IP DBL SDL 8.54-10.10	1	83.030	EA	83.03
FFB11007GNL	LF 2 MIP X CTS GRIP BALL CORP ST	1	286.510	EA	286.51
AX42250100B	2X100 CTS 250 PSI NSF BLK	100	1.570	FT	157.00
FY44274GNL	LF 2X1 CTS COMP GRIP Y BRCH	1	128.340	EA	128.34
AX41250100B	1X100 CTS 250 PSI NSF BLK	100	0.410	FT	41.00
FKV43342WGNL	LF 1 CTS GRIP X 3/4 MTR ANG KEY VLV	1	53.480	EA	53.48
FU4843GNL	LF 1X3/4 CTS GJ X MIP U BRCH	1	54.720	EA	54.72
FKV13332WNL	LF 3/4 FIP X MTR ANG KEY VLV	2	37.820	EA	75.64
FINSERT55	2 CTS PET INS STFNR	2	2.970	EA	5.94
FINSERT52	1 CTS PET / HDPE DR9 INS STFNR	4	2.150	EA	8.60
P40BEPP20	4X20 FT PVC S40 BE PIPE	40	190.700	C	76.28

Net Total: \$970.54
Tax: \$0.00
Freight: \$0.00
Total: \$970.54

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1108&on=45597>

Rental Rate Blue Book®

April 18, 2019

Deere 310SJ (disc. 2012)

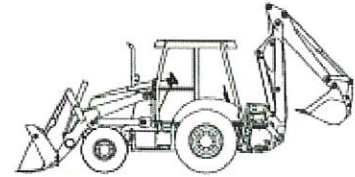
Tractor-Loader-Backhoes

Size Class:

14' to Under 15'

Weight:

15122 feet


Configuration for 310SJ (disc. 2012)

Drive	4WD	Loader Bucket Capacity--Heaped	1.25
Net Horsepower	93.0	Operator Protection	ROPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$3,415.00	\$955.00	\$240.00	\$36.00	\$23.50	\$42.90
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2012: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$3,415.00	\$955.00	\$240.00	\$36.00	\$23.50	\$42.90

Non-Active Use Rates

	Hourly
Standby Rate	\$10.28
Idling Rate	\$31.23

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$1,126.95/mo
Overhaul (ownership)	47%	\$1,605.05/mo
CFC (ownership)	11%	\$375.65/mo
Indirect (ownership)	9%	\$307.35/mo
Fuel (operating) @ 3.27	50%	\$11.83/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for KAREN COURTRIGHT (karen.courtright@austintexas.gov)



MEMO

April 25, 2018

To: District Engineers

From: Camille Thomason, P.E.
Director, Design Division

Subject: Revised Roadway Standards

The following changes have been made to the roadway standards sheets.

The standard sheets will be applicable to all new construction projects beginning with the July 2018 letting. The use of these sheets prior to that date is at the option of the district. The new standards are available from the Roadway Standards web page in Microstation® "dgn" and Adobe "pdf" format. See <http://www.dot.state.tx.us/insdtdot/orgchart/cmd/cserve/standard/rdwylse.htm>.

Please distribute this information to the appropriate district staff and area offices, as well as consulting engineers working on TxDOT projects.

The following represents the standard sheets changed.

SGT(12S)31-18 The MSKT end terminal is a new standard sheet which depicts a steel post MBGF end terminal system which can be attached to wood or steel post MBGF systems. The system is a re-directive, gating, end terminal system that is proprietary. The system is extruding; meaning the rail panels extrude or spool outwards on the field side upon impact.

This end terminal system is MASH TL-3 compliant, meaning it is available for use for high-speed roadway conditions.

SGT(13S)31-18 This new standard is a **retrofit** system that retrofits an existing SKT 31" standard steel post system to MASH TL-3 compliance. The existing SKT 31" standard steel post system must be NCHRP 350 compliant and free of any damage or defects before retrofitting.

SGT(14W)31-18 This new standard is a **retrofit** system that retrofits an existing SKT 31" standard wood post system to MASH TL-3 compliance. The existing SKT 31" standard wood post system must be NCHRP 350 compliant and free of any damage or defects before retrofitting.

The following non-MASH compliant standards are removed from the list of available standards:

SGT(8)31-17 This 31" end terminal system is **removed** from the list of available standards.

SGT(8S)31-17 This 31" end terminal system is removed from the list of available standards.

SGT(8)-17 This 28" end terminal system is removed from the list of available standards.

SGT(8S)-17 This 28" end terminal system is removed from the list of available standards.

SGT(9S)28-14 This 28" end terminal system is removed from the list of available standards.

OUR GOALS

MAINTAIN A SAFE SYSTEM ▪ ADDRESS CONGESTION ▪ CONNECT TEXAS COMMUNITIES ▪ BEST IN CLASS STATE AGENCY

An Equal Opportunity Employer

If you have questions or need additional information concerning these standard details, please contact Kenneth Mora, P.E., Roadway Design Section Director, at (512) 416-2678.

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